IN THE CLAIMS

Please amend the claims as shown in the following listing of claims, which replaces all prior versions and listings of claims in the present application:

1 – 4. Cancelled.

- 5. (Previously presented) A support according to claim 12 wherein the diamond-like carbon material comprises a resistivity of from about 10⁴ Ohm·cm to about 10⁸ Ohm·cm.
- 6. (Previously presented) A support according to claim 12 wherein the diamond-like carbon material comprises from about 0.1 atom % to about 10 atom % of a metal additive, whereby the metal additive changes the resistivity of the coating.

7 - 11. Cancelled.

- 12. (Currently amended) A substrate support comprising:
- (a) a ceramic structure having an electrode embedded therein, the electrode being chargeable to electrostatically hold a substrate; and
- (b) a contact surface comprising a plurality of mesas, the mesas comprising a coating of a diamond-like carbon material directly over a titanium metal adhesion layer, the diamond-like carbon material comprising a composition of from about 50 atom % to about 90 atom % carbon, from about 5 atom % to about 10 atom% hydrogen, from about 10 atom % to about 20 atom % silicon, and from about 5 atom % to about 10 atom % oxygen, to provide a coefficient of friction of less than about 0.3, an average surface roughness of less than about 0.4 micrometers, and a hardness microhardness of at least about 8 GPa, whereby the diamond-like coating reduces the abrasion and contamination of substrates that contact the coating.

- 13. Cancelled.
- 14. (Original) A support according to claim 12 wherein the coating comprises a thickness of from about 1 to about 20 microns.
- 15. (Previously presented) A support according to claim 14 wherein the titanium metal adhesion layer comprises a thickness of from about 0.25 to about 4 microns.
- 16. (Previously presented) A support according to claim 12 wherein the diamond-like carbon material comprises a diamond-like nanocomposite having networks of (i) carbon and hydrogen, and (ii) silicon and oxygen.
 - 17. (Cancel).
- 18. (Previously presented) A support according to claim 12 wherein the diamond-like carbon material comprises a metal additive.
- 19. (Previously presented) A support according to claim 12 wherein the ceramic structure comprises AIN or Al₂O₃.
- 20. (Previously presented) A support according to claim 12 wherein the diamond-like carbon material is co-deposited with a metal additive by a process combining physical vapor deposition of the metal additive in a plasma enhanced chemical vapor deposition environment.
 - 21-57. (Cancelled).

- 58. (Currently amended) A substrate support comprising:
- (a) a ceramic support structure having an electrode embedded therein, the electrode being chargeable to electrostatically hold a substrate; and
- (b) a contact surface comprising a plurality of mesas, each mesa substantially entirely composed of (i) a surface coating comprising a diamond-like carbon material having a carbon-hydrogen network a composition of from about 50 atom % to about 90 atom % carbon, from about 5 atom % to about 10 atom% hydrogen, from about 10 atom % to about 20 atom % silicon, and from about 5 atom % to about 10 atom % oxygen, the surface coating comprising a coefficient of friction of less than about 0.3, an average surface roughness of less than about 0.4 micrometers, and a hardness microhardness of at least about 8 GPa; and (ii) an adhesion layer consisting of comprising a metal layer between the ceramic support structure and the surface coating.

59-60. Cancelled.

- 61. (Previously presented) A support according to claim 58 wherein the diamond-like carbon material comprises a diamond-like nanocomposite having networks of (i) carbon and hydrogen, and (ii) silicon and oxygen.
- 62. (Previously presented) A support according to claim 58 wherein the diamond-like carbon material comprises a resistivity of from about 10⁴ Ohm·cm to about 10⁸ Ohm·cm.
- 63. (Previously presented) A support according to claim 62 wherein the diamond-like carbon material comprises from about 0.1 atom % to about 10 atom % of a metal additive, whereby the metal additive changes the resistivity of the coating.

64 -85. Cancelled.

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- 86. (New) A substrate support comprising:
- (a) a ceramic support structure having an electrode embedded therein, the electrode being chargeable to electrostatically hold a substrate; and
- (b) a contact surface comprising a plurality of mesas, each mesa comprising:
 - (i) a titanium layer; and
- (ii) a diamond-like carbon coating layer over the titanium layer, the diamond-like carbon coating layer comprising (i) a composition of from about 50 atom % to about 90 atom % carbon, from about 5 atom % to about 10 atom% hydrogen, from about 10 atom % to about 20 atom % silicon, and from about 5 atom % to about 10 atom % oxygen, (ii) a coefficient of friction of less than about 0.3, (iii) an average surface roughness of less than about 0.4 micrometers, and (iv) a microhardness of at least about 8 GPa.
- 87. (New) A support according to claim 86 wherein the diamond-like carbon coating layer comprises a resistivity of from about 10⁴ Ohm·cm to about 10⁸ Ohm·cm.
- 88. (New) A support according to claim 86 wherein the diamond-like carbon coating layer comprises a thickness of from about 1 to about 20 microns.
- 89. (New) A support according to claim 86 wherein the diamond-like carbon coating layer comprises a metal additive in a concentration of from about 0.1 atom % to about 10 atom %, whereby the metal additive changes the resistivity of the coating.
- 90. (New) A support according to claim 86 wherein the titanium layer comprises a thickness of from about 0.25 to about 4 microns.
- 91. (New) A support according to claim 86 wherein the ceramic structure comprises AIN or Al₂O₃.

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92. (New) A support according to claim 86 wherein the diamond-like carbon coating layer comprises a hardness of from about 18 GPa to about 25 GPa.